

Steel Mill Products: 2005

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SUMMARY OF FINDINGS

In 2005, steel mill product manufacturers had shipments of \$78.3 billion, which increased 7.7 percent from \$72.7 billion in 2004. Steel ingot and semifinished shapes shipments

increased 16.3 percent, from \$4.9 billion in 2004 to \$5.7 billion in 2005. Hot-rolled sheet and strip, including tin mill products shipments decreased 1.6 percent, from \$25.2 billion in 2004 to \$24.8 billion in 2005. Hot-rolled bars and shapes, plates, structural shapes, and piling shipments increased 14.8 percent to \$17.1 billion in 2005, from \$14.9 billion in 2004. Steel pipe and tube increased 14.7 percent, from \$9.5 billion in 2004 to \$10.9 billion in shipments in 2005. Cold-rolled steel sheet and strip shipments increased to \$13.5 billion in 2005, from \$12.2 billion in 2004, a 10.7-percent increase. Cold-finished steel bars and bar shapes shipments increased 5.0 percent to \$2.1 billion in 2005, from \$2.0 billion in 2004. Steel wire shipments remained unchanged at \$2.3 billion in 2005. All other steel mill product shipments remained unchanged at \$1.3 billion in 2005.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Madelyn Nieves, 301-763-4767.
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Table 1. Value of Shipments of Steel Mill Products by Class of Products: 2005 and 2004
[Value in thousands of dollars]

Product class code	Product description	2005	2004
	Total.....	78,264,141	72,664,726
3311113	Steel ingot and semifinished shapes.....	5,678,309	4,895,750
3311115	Hot-rolled sheet and strip, including tin mill products.....	24,812,182	r/ 25,169,869
3311117	Hot-rolled bars and shapes, plates, structural shapes, and piling.....	17,077,216	14,915,787
331111L	Other steel mill products (except wire products).....	647,945	509,003
3312100	Steel pipe and tube.....	10,909,466	9,450,653
3312211	Cold-rolled steel sheet and strip.....	13,476,558	12,151,327
3312213	Cold-finished steel bars and bar shapes.....	2,147,993	2,043,364
3312221	Noninsulated ferrous wire rope, cable, and strand.....	586,648	r/ 514,611
3312223	Steel nails, staples, tacks, spikes, and brads.....	187,405	r/ 238,565
3312225	Steel wire, including galvanized wire and other coated wire.....	2,264,019	2,267,880
3312227	Steel fencing and fence gates.....	131,616	r/ 152,836
3312229	Ferrous wire cloth and other ferrous woven wire products.....	48,828	r/ 58,869
331222B	Other fabricated ferrous wire products (except springs).....	295,956	296,212

r/Revised by 5 percent or more from previously published data.

Table 2. Production of Raw Steel: 2005 and 2004
[Thousands of metric tons]

Product description	2005		2004
Total.....	79,793	r/	84,287
By grade of steel:			
Carbon.....	70,372	r/	74,743
Alloy.....	7,835	r/	7,984
Stainless.....	1,586	r/	1,559
By type of furnace:			
Electric.....	40,606		41,245
Basic oxygen, open hearth, and other types of furnaces.....	39,187	r/	43,042

r/Revised by 5 percent or more from previously published data.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated.
b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 3. Shipments of Steel Mill Products: 2005 and 2004
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Total shipments 2005			Total shipments 2004	
			Quantity	Value f.o.b. plant 2/		Quantity	Value f.o.b. plant 2/
	Steel.....	(NA)	100,201,682	78,264,141	a/	102,793,674	a/ 72,664,726
	Carbon steel.....	224	90,482,605	61,867,363		93,285,311	59,410,768
3311113110	Ingots.....	3	(D)	(D)		(D)	(D)
	Semifinished products:						
3311113140	Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp.....	19	2,889,180	1,362,409		2,607,785	1,050,349
3311113190	Wire rods.....	22	2,652,745	1,608,827	r/	2,712,846	r/ 1,580,184
3311113150	Slabs.....	8	1,377,311	609,416		1,007,531	571,319
	Finished products:						
	Plates, cut lengths.....	10	a/ 3,618,103	2,560,851		3,699,005	2,263,415
	Plates, in coils.....	6	546,803	351,738	r/	550,940	r/ 378,735
	Sheet:						
3311115110	Hot rolled, including hot-rolled bands.....	26	16,087,789	9,163,416		17,708,850	9,692,912
3312211110	Cold rolled.....	18	9,852,801	6,375,262		10,339,637	6,029,387
	Sheet and strip:						
	Galvanized:						
	Hot dipped.....	17	9,851,481	7,282,643	a/	10,889,685	7,662,594
3311115130	Electrolytic.....	7	2,447,078	1,822,380		2,446,510	1,724,315
3311115140	Electrical.....	2	(D)	(D)		(D)	(D)
3311115150	All other metallic coated, including long ternes....	4	730,555	735,280		871,918	670,391
	Strip:						
3311115160	Hot rolled.....	9	3,648,819	2,195,648	b/	3,490,766	2,054,773
3312211120	Cold rolled.....	22	2,095,668	1,813,505	b/	2,160,260	1,730,365
	Tin mill products:						
33111151C0	Blackplate.....	5	146,732	112,993		187,737	125,438
33111151D0	Electrolytic and hot dipped tin plate.....	5	1,829,912	1,497,690		1,857,127	1,356,956
33111151E0	Tin free steel.....	4	312,920	252,967		310,021	219,450
33111151F0	All other tin mill products, including short ternes and foil.....	2	(D)	(D)		(D)	(D)
	Structural shapes (heavy):						
3311117130	Wide flange.....	4	2,475,464	1,506,683		2,420,816	1,386,198
3311117140	Standard.....	8	1,608,580	1,037,565	r/	1,482,181	r/ 893,855
33111171E0	Sheet piling and bearing piles.....	3	(D)	(D)		(D)	(D)
	Bars:						
3311117190	Hot-rolled (except concrete reinforcing).....	20	5,431,334	3,597,318	a/r/	5,699,267	r/ 3,328,541
33111171A0	Light structurals (under 3 inches).....	9	1,107,155	666,775	r/	1,234,692	r/ 693,246
33111171B0	Concrete reinforcing bars.....	14	6,943,000	3,556,459	r/	6,179,928	2,953,932
3312213110	Cold-finished bars.....	26	a/ 1,356,666	a/ 1,293,635		1,478,765	1,292,452
331111L100	Finished rails, wheels, and track accessories.....	9	829,462	647,945		826,076	509,003
	Pipe and tubes:						
	Line pipe:						
3312100110	16 inches outside diameter and under.....	13	798,370	890,219	r/	739,887	r/ 651,376
3312100120	Over 16 inches outside diameter.....	3	(D)	(D)		(D)	(D)
3312100130	Oil country goods.....	9	1,050,534	1,317,245	r/	1,025,666	960,025
	Pressure tubing:						
3312100150	Seamless.....	7	a/ 60,091	a/ 105,874	a/	49,390	a/ 74,508
3312100160	Welded.....	12	b/ 268,286	b/ 400,732		256,779	345,188
	Mechanical tubing:						
33121001A0	Seamless.....	9	101,295	159,098		101,143	122,188
33121001B0	Welded.....	49	a/ 2,138,318	a/ 2,593,687		2,270,242	2,567,703
33121001F0	Structurals.....	18	a/ 844,008	a/ 884,013		1,142,856	a/ 1,168,581
33121001G0	Miscellaneous, including standard pipe.....	23	1,176,007	1,275,689		1,272,378	1,193,055
	Wire:						
	Plain wire:						
3312225110	Flat wire.....	6	7,454	10,148		7,840	11,199
	Round wire:						
	Thermally treated:						
3312225120	Under 1.5 mm in diameter.....	11	c/ 50,996	c/ 54,632		53,479	54,120
3312225130	1.5 mm or above in diameter.....	18	a/ 180,199	a/ 177,914		180,791	162,735
	Other round wire:						
3312225140	Under 1.5 mm in diameter.....	9	116,170	158,770	a/	115,727	r/ 141,911
3312225150	1.5 mm or above in diameter.....	30	b/ 1,417,840	b/ 1,056,431	a/	1,464,572	a/ 1,040,810
3312225160	Other shape wire.....	8	36,648	59,598		42,205	60,833
	Plated or coated with zinc:						
	Round wire:						
3312225170	Under 1.5 mm in diameter.....	11	c/ 26,076	b/ 24,403	a/	28,639	a/ 25,896
3312225180	1.5 mm or above in diameter.....	18	b/ 233,648	b/ 193,172	a/	253,901	a/ 200,333
3312225190	Other shape wire, including flat.....	5	a/ 74,497	75,228		84,034	76,247
	Other coated wire:						
33122251A0	Flat wire.....	1	(D)	(D)		(D)	(D)
33122251B0	Round wire.....	11	a/ 91,303	a/ 111,935		115,673	128,850
33122251C0	Other shape wire.....	5	c/ 50,231	c/ 43,605		52,462	42,827
	Wire products:						
3312221101	Rope and cable.....	11	a/ 128,645	a/ 268,001	a/	128,446	a/ 248,426
3312221201	Wire forms and strand.....	4	259,838	318,647		263,546	266,185
3312223100	Nails, staples, tacks, spikes and brads.....	11	c/ 96,544	c/ 187,405	b/	150,297	b/r/ 238,565
3312227100	Fencing and fence gates.....	6	a/ 114,535	a/ 131,616	r/	142,489	r/ 152,836
	Woven wire products:						
3312229110	Netting.....	4	31,681	a/ 48,828		38,670	58,869
3312229112	Other.....	-	-	-		-	-
331222B100	All other wire products.....	7	321,018	295,956	r/	345,837	296,212
	Alloy steel.....	57	7,376,489	9,085,589	a/	7,166,873	a/ 6,529,717
3311113120	Ingots.....	9	320,430	397,301		301,580	294,007

Table 3. Shipments of Steel Mill Products: 2005 and 2004
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Total shipments 2005			Total shipments 2004		
			Quantity	Value f.o.b. plant 2/		Quantity	Value f.o.b. plant 2/	
	Semifinished products:							
3311113160	Blooms, billets, sheet bars, rounds, and skelp.....	8	783,987	773,869	a/	588,281	449,025	
33111131A0	Wire rods.....	1	(D)	(D)		1,119	(D)	
3311113170	Slabs.....	3	(D)	5,429		(D)	(D)	
	Finished products:							
3311117150	Plates, cut lengths.....	6	404,600	691,115		416,642	536,624	
3311117160	Plates, in coils.....	2	(D)	(D)		(D)	(D)	
3311117170	Structural shapes (3 inches and under).....	4	(D)	48,266		(D)	40,923	
	Sheet:							
3311115170	Hot rolled.....	5	750,332	457,402		831,536	438,772	
3312211130	Cold rolled.....	5	526,072	333,195		459,230	243,542	
	Sheet and strip:							
	Galvanized:							
3311115180	Hot dipped.....	4	(D)	131,980		(D)	94,984	
3311115190	All other metallic coated, including eletrolytic.....	4	(D)	(D)		(D)	133,291	
	Strip:							
33111151A0	Hot rolled.....	-	-	-		(D)	(D)	
3312211140	Cold rolled.....	11	(D)	1,092,966		(D)	583,956	
	Bars:							
33111171C0	Hot rolled, including structural shapes under 3 inches.....	11	2,123,442	1,942,462	a/	2,266,260	a/ 1,568,344	
3312213120	Cold finished.....	16	319,460	516,814		332,687	435,431	
	Tool steel:							
33111171F0	High speed.....	9	15,095	143,504		17,042	104,854	
33111171G0	Other than high speed.....	8	24,278	176,074	r/	23,555	r/ 123,316	
	Pipe and tubes:							
3312100140	Oil country goods and line pipe.....	6	805,321	1,431,250		684,552	852,149	
3312100170	Pressure tubing.....	2	(D)	(D)		(D)	(D)	
33121001C0	Mechanical tubing.....	6	288,061	511,951		263,875	422,324	
33121001H0	Miscellaneous, including standard and structural.....	1	(D)	(D)		(D)	(D)	
3312251D0	Wire (plain and coated).....	9	24,455	97,424		42,216	100,802	
	Stainless steel.....	70	2,342,589	7,311,189		2,341,490	6,724,241	
3311113130	Ingots.....	7	71,052	120,790		54,936	85,920	
	Semifinished products:							
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	8	(D)	702,501		427,109	749,667	
33111131B0	Wire rods.....	5	(D)	(D)		(D)	(D)	
	Finished products:							
3311117180	Plates and structurals.....	6	93,237	412,125	r/	92,942	358,117	
	Sheet and strip:							
33111151B0	Hot rolled.....	5	(D)	(D)		(D)	(D)	
3312211150	Cold rolled.....	19	1,339,861	3,861,630		1,333,509	3,564,077	
	Bars:							
33111171D0	Hot rolled.....	8	21,782	110,784		23,860	90,961	
3312213130	Cold finished.....	8	64,340	337,544		72,213	315,481	
	Pipe and tubes:							
	Pressure tubing:							
3312100180	Seamless.....	5	3,467	56,494		3,165	41,495	
3312100190	Welded.....	10 a/	58,768	a/ 415,883	a/	55,739	a/ 334,946	
	Mechanical tubing:							
33121001D0	Seamless.....	4	(D)	c/ 54,507	r/	2,002	c/ 47,809	
33121001E0	Welded.....	10	65,439	365,865		69,621	329,056	
33121001J0	Other pipe and tubes.....	8	91,455	250,629		24,502	r/ 125,671	
	Wire:							
	Round wire:							
3312251E0	Under 0.75 mm in diameter.....	9 b/	10,740	c/ 77,110		13,466	91,639	
3312251F0	0.75 mm to under 1.5 mm in diameter.....	8	2,520	b/ 21,754		3,316	22,226	
3312251G0	1.5 mm and above in diameter.....	15 b/	14,925	a/ 80,830	a/	17,992	a/ 85,261	
3312251H0	Other shape wire, including flat wire.....	10	1,984	a/ 20,647		3,819	21,773	

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/ Revised by 5 percent or more from previously published data.

1/Product codes in product class 3312225 also include products in the 3311119 product class; same applies for product classes 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. (Appendix A-3)

Note: Import receipts of steel mill products for 2005 are as follows: total, 6,175,965 metric tons; carbon, 5,496,397 metric tons; alloy, 539,862 metric tons; stainless, 139,706 metric tons. Import receipts of steel mill products for 2004 are as follows: total, 6,091,493 metric tons; carbon, 5,551,889 metric tons; alloy, 387,693 metric tons; stainless, 151,912 metric tons.

Quantity data converted to metric tons; therefore, detail may not add to total because of rounding. Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/25 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 4. Minimill Shipments of Selected Steel Mill Products: 2005 and 2004
[Quantity in metric tons]

Product code 1/	Product description	Number of minimill companies	Industry	Minimills	Percent of minimills	Number of minimill companies	Industry	Minimills	Percent of minimills
3311113110	Carbon steel total 2/.....	(NA)	44,325,411	15,702,898	35.4	(NA)	r/ 43,843,647	r/ 14,872,444	33.9
	Ingots.....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
	Semifinished products:								
3311113140, 150	Blooms, billets, slabs, sheet bars, tin mill bars, tube rounds, and skelp.....	9	4,266,491	(D)	(D)	8	3,615,315	(D)	(D)
3311113190	Wire rods.....	4	2,652,745	1,080,504	40.7	4	r/ 2,712,846	995,364	36.7
	Finished products:								
3311117110, 120	Plates, all lengths.....	4	a/ 4,164,906	(D)	(D)	4	r/ 4,249,945	(D)	(D)
3311115160	Hot-rolled strip.....	1	3,648,819	(D)	(D)	2	b/ 3,490,766	(D)	(D)
	Structural shapes (heavy):								
3311117130	Wide flange.....	2	2,475,464	(D)	(D)	3	2,420,816	(D)	(D)
3311117140	Standard heavy shapes.....	5	1,608,580	1,484,025	92.3	5	r/ 1,482,181	r/ 1,363,700	92.0
33111171E0	Sheet piling and bearing piles.....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
	Bars:								
	Hot-rolled (except concrete reinforcing).....	7	5,431,334	3,418,407	62.9	8	r/ 5,699,267	r/ 3,493,330	61.3
33111171A0	Light structurals, under 3 inches....	5	1,107,155	646,760	58.4	5	r/ 1,234,692	r/ 751,513	60.9
33111171B0	Concrete reinforcing.....	6	6,943,000	4,479,802	64.5	6	r/ 6,179,928	r/ 3,932,912	63.6
3312213110	Cold-finished.....	1	a/ 1,356,666	(D)	(D)	1	1,478,765	(D)	(D)
331111L	Rails, wheels, and track accessories....	2	829,462	(D)	(D)	2	826,076	(D)	(D)
	Pipe and tubes:								
3312100110	Line pipe, 16 inches outside diameter and under.....	1	798,370	(D)	(D)	1	r/ 739,887	(D)	(D)
3312100130	Oil country goods.....	2	1,050,534	(D)	(D)	2	r/ 1,025,666	(D)	(D)
33121001A0	Mechanical tubing, seamless.....	1	101,295	(D)	(D)	1	101,143	(D)	(D)
33121001F0	Structurals.....	1	a/ 844,008	(D)	(D)	1	1,142,856	(D)	(D)
33121001G0	Miscellaneous, including standard pipe.....	1	1,176,007	(D)	(D)	1	1,272,378	(D)	(D)
3312225	Wire 3/.....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
331222	Wire products 4/.....	1	(D)	(D)	(D)	1	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies. NA Not available. r/ Revised by 5 percent or more from previously published data.

1/Product codes in product class 3312225 also include products in the 3311119 product class; same applies for product classes 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Total data are for selected product codes only.

3/Product class 3312225 combines product codes 3312225110 through 33122251H0.

4/Product class 331222 combines product codes 3312223120, 331222B100, 3312227110, 3312221110, 3312221230, 3312221240, and 3312229110.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding. Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 5. Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 2005
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	Manufacturers' shipments		Exports of domestic merchandise 1/ 3/		Imports for consumption 1/ 4/		Apparent consumption 6/	
		Quantity 2/	Total value f.o.b. plant 2/	Quantity	Value at port	Quantity	Value c.i.f 5/	Quantity	Value
	Total.....	100,201,682	78,264,141	8,685,615	9,088,722	29,368,798	29,728,749	120,884,865	98,904,168
3311113110	Carbon steel:	90,482,605	61,867,363	7,011,143	6,136,596	24,447,588	17,799,594	107,919,050	73,530,361
	Ingots.....	(D)	(D)	20,966	14,923	32	28	(D)	(D)
3311113140, 50	Semifinished blooms, billets, sheet bars, tin mill bars, tub rounds, skelp, and slabs.....	4,266,491	1,971,825	216,523	113,397	5,297,671	2,537,919	9,347,639	4,396,347
3311117110, 3311115110, 60	Finished plates, both cut in lengths and in coils.....	3,618,103	2,560,851	1,371,075	1,084,190	1,373,141	924,497	3,620,169	2,401,158
3312211110	Finished sheet and strip, hot rolled, including hot-rolled bands.....	19,736,608	11,359,064	1,064,341	696,087	2,739,303	1,645,233	21,411,571	12,308,210
3311115120	Finished sheet, cold rolled.....	9,852,801	6,375,262	457,788	345,657	796,803	548,297	10,191,815	6,577,902
3311115130	Finished sheet and strip, galvanized, hot dipped.....	9,851,481	7,282,643	562,886	448,534	1,856,668	1,531,012	11,145,263	8,365,121
3311115140, 50	Finished sheet and strip, galvanized, electrolytic.....	2,447,078	1,822,380	192,423	170,309	93,511	76,079	2,348,166	1,728,150
3312211120	Finished sheet and strip, electrical and other metallic coating, including long ternes.....	(D)	(D)	218,471	274,650	522,924	530,051	(D)	(D)
	Finished strip, cold rolled.....	2,095,668	1,813,505	150,236	171,123	99,849	147,044	2,045,282	1,789,426
	Finished tin mill products:								
33111151CO	Blackplate.....	146,732	112,993	6,622	4,594	36,445	37,116	176,556	145,515
33111151EO, FO	Electrolytic and hot-dipped tinplate.....	1,829,912	1,497,690	250,983	186,439	390,723	320,702	1,969,652	1,631,953
3311117130, 40	Tin free steel and other tin mill products, including short ternes and foil.....	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(D)	(D)
33111171EO	Finished structural shapes (heavy), both wide flange and standard heavy shapes.....	4,084,044	2,544,248	647,700	452,256	534,349	385,832	3,970,692	2,477,824
3311117190, 3190	Finished sheet piling and bearing piles.....	(D)	(D)	38,472	34,677	94,325	86,677	(D)	(D)
	Hot-rolled bars (except reinforcing) and semi-finished wire rods.....	8,084,079	5,206,145	359,249	274,572	2,782,098	1,702,045	10,506,928	6,633,618
	Finished bars:								
33111171AO	Light structurals, under 3 inches.....	1,107,155	666,775	89,821	54,783	194,537	112,501	1,211,871	724,493
33111171BO	Concrete reinforcing.....	6,943,000	3,556,459	253,468	139,854	1,292,198	606,542	7,981,729	4,023,147
3312213110	Cold finished.....	1,356,666	1,293,635	91,482	121,877	183,050	216,861	1,448,234	1,388,619
331111L100, 3312100110, 20	Rails, wheels, and track accessories.....	829,462	647,945	148,946	101,687	339,444	218,888	1,019,960	765,146
	Finished line pipe, all diameters.....	(D)	(D)	150,991	230,966	581,933	639,687	(D)	(D)
3312100130	Finished pipe and tubes, oil country goods.....	1,050,534	1,317,245	133,833	281,968	1,117,629	1,194,339	2,034,330	2,229,616
33121001FO	Finished pipe and tubes, structurals.....	844,008	884,013	121,494	144,634	492,777	445,847	1,215,291	1,185,226
3312100150, 60, 33121001AO, BO, GO	Finished pipe and tubes (except line pipe, oil country goods, and structurals).....	3,743,998	4,535,080	286,308	473,470	1,800,711	1,764,333	5,258,401	5,825,943
3312225110 20, 30, 40, 50, 60	Finished plain wire.....	1,809,307	1,517,493	37,287	49,101	309,226	312,077	2,081,246	1,780,469
3312225170, 80, 90	Finished wire, plated or coated with zinc.....	334,221	292,803	31,141	39,527	258,012	244,099	561,091	497,375
33122251AO, BO, CO	Finished wire, plated or coated, other than with zinc.....	(D)	(D)	42,859	72,938	71,357	93,115	(D)	(D)
3312223100	Nails, staples, tacks, and brads.....	96,544	187,405	28,452	69,105	783,211	904,409	851,304	1,022,709
331222B100	Other wire products.....	321,018	295,956	7,692	10,345	14,231	18,182	327,557	303,793
3312227100, 9110, 9112	Fencing and fence gates, woven wire products, and all other wire products.....	146,216	180,444	15,540	38,791	127,860	176,159	258,536	317,812
3312221101	Finished wire rope and cable.....	128,645	268,001	11,539	32,677	134,183	255,820	251,288	491,144
3312221201	Finished wire strand.....	259,838	318,647	2,556	3,465	129,389	124,203	386,672	439,385
3311113120	Alloy steel (except stainless):	7,376,489	9,085,589	1,356,375	2,715,644	4,283,793	9,731,655	10,303,907	16,101,600
3311113160, 70	Ingots.....	320,430	397,301	25,086	35,542	32,253	31,383	327,598	393,142
33111151AO, 70, 80, 90, 3311117150, 60, 3312211130, 40	Semifinished blooms, billets, sheet bars, tube rounds, skelp and slabs.....	(D)	779,298	33,669	35,142	801,099	536,055	(D)	1,280,211
	Finished plate, sheet or strip, both hot and cold rolled or cold finished.....	(D)	(D)	601,438	762,876	1,316,128	1,394,544	(D)	(D)
33111131AO, 3311117170, CO, 3312213120	Semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished.....	(D)	(D)	237,552	322,741	1,056,660	1,008,784	(D)	(D)
33111171FO	Finished tool steel, high-speed.....	15,095	143,504	2,162	25,804	6,616	67,133	19,549	184,833
33111171GO	Finished tool steel (except high speed).....	24,278	176,074	13,321	45,440	107,374	250,993	118,330	381,627
3312100140	Finished oil country goods and line pipe.....	805,321	1,431,250	231,916	426,023	575,629	871,037	1,149,033	1,876,264
3312100170 CO, HO, DO, EO, JO, 80, 90	Alloy steel, including stainless, pipe and tubes, n.e.c.	(D)	(D)	186,761	579,445	330,837	1,092,399	(D)	(D)
33122251DO	Alloy steel (except stainless) finished wire, plain or coated.....	24,455	97,424	24,471	69,278	57,199	96,935	57,183	125,081
3311113130	Stainless steel:	2,342,589	7,311,189	318,096	236,482	637,417	2,197,500	2,661,910	9,272,207
3311113180	Ingots.....	71,052	120,790	5,339	21,247	16,573	47,188	82,286	146,731
33111131BO, 71DO	Semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	(D)	702,501	(NA)	(NA)	(NA)	(NA)	(D)	(NA)
3311117180	Semifinished wire rods and finished bars, hot rolled.....	(D)	(D)	11,816	53,712	58,279	202,998	(D)	(D)
3311115180	Finished plates and structurals.....	93,237	412,125	85,928	293,218	85,912	305,536	93,221	424,443
3312211150	Finished sheet and strip, hot rolled.....	(D)	(D)	25,261	64,446	17,403	39,328	(D)	(D)
	Finished sheet and strip, cold rolled.....	1,339,861	3,861,630	167,752	514,809	327,134	941,416	1,499,243	4,288,237

Table 5. Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 2005
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	Manufacturers' shipments		Exports of domestic merchandise 1/ 3/		Imports for consumption 1/ 4/		Apparent consumption 6/	
		Quantity 2/	Total value f.o.b. plant 2/	Quantity	Value at port	Quantity	Value c.i.f 5/	Quantity	Value
3312213130	Finished bars, cold finished.....	64,340	337,544	16,226	103,160	92,340	371,545	140,454	605,929
33122251E0, F0, G0, H0	Finished wire.....	30,169	200,341	5,775	44,041	39,777	180,637	64,171	336,937

D Withheld to avoid disclosing data for individual companies. NA Not available. n.e.c. Not elsewhere classified.

1/For a comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export codes and HTSUSA import codes, see Table 6.

2/Refer to Table 3 for the total quantity shipments detail.

3/Source: Census Bureau report EM 545, U.S. Exports.

4/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

5/Dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

6/Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3311113110	Carbon steel: Ingots.....	7206.10.0000	7206.10.0000
3311113140, 50	Semifinished blooms, billets, sheet bars, tin mill bars, tube rounds, skelp, and slabs.....	7207.11.0000 7207.12.0000 7207.19.0000 7207.20.0000 7206.90.0000	7207.11.0000 7207.12.0010 7207.12.0050 7207.19.0030 7207.19.0090 7207.20.0025 7207.20.0045 7207.20.0075 7207.20.0090 7206.90.0000
3311117110, 20	Finished plates, both cut in lengths and in coils.....	7208.25.3000 7208.25.6000 7208.36.0030 7208.36.0060 7208.37.0030 7208.37.0060 7208.51.0030 7208.51.0050 7208.52.0000 7211.13.0000 7211.14.0000 7211.19.3050 7211.19.7050 7210.90.1000	7208.10.1500 7208.10.3000 7208.25.3000 7208.25.6000 7208.36.0030 7208.36.0060 7208.37.0030 7208.37.0060 7208.40.3030 7208.51.0045 7208.51.0060 7208.40.3060 7208.52.0000 7211.13.0000 7211.14.0030 7211.14.0045 7211.14.0090 7208.51.0030 7210.90.1000
3311115110, 60	Finished sheet and strip, hot rolled, including hot-rolled bands....	7208.90.0000 7208.39.0015 7208.39.0050 7208.40.0000 7208.53.0000 7208.54.0000 7208.10.1500 7208.10.2500 7208.26.0030 7208.26.0060 7208.27.0030 7208.27.0060 7208.38.0015 7208.38.0050	7208.10.6000 7208.26.0030 7208.26.0060 7208.27.0030 7208.27.0060 7208.38.0015 7208.38.0030 7208.38.0090 7208.39.0015 7208.39.0030 7208.39.0090 7208.40.6060 7208.53.0000 7208.40.6030 7208.54.0000 7208.90.0000 7211.19.1500 7211.19.4500 7211.19.2000 7211.19.3000 7211.19.6000 7211.19.7590 7211.19.7530 7211.19.7560

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3312211110	Finished sheet, cold rolled.....	7209.15.0000	7209.15.0000
		7209.16.0010	7209.16.0030
		7209.16.0090	7209.16.0060
		7209.17.0010	7209.17.0030
		7209.17.0090	7209.17.0060
		7209.18.1500	7209.18.1530
		7209.18.6000	7209.18.1560
		7209.25.0000	7209.25.0000
		7209.26.0000	7209.26.0000
		7209.27.0000	7209.27.0000
		7209.28.0000	7209.28.0000
		7209.90.0000	7209.90.0000
			7210.70.3000
			7209.16.0071
			7209.16.0070
			7209.17.0091
			7209.17.0070
			7209.18.6020
			7209.18.6090
3311115120	Finished sheet and strip, galvanized, hot dipped.....	7210.41.0000	7210.41.0000
		7210.49.0030	7210.49.0030
		7210.49.0090	7210.49.0090
		7212.30.0000	7212.30.1030
			7212.30.1090
			7212.30.3000
			7212.30.5000
3311115130	Finished sheet and strip, galvanized, electrolytic.....		7210.70.6060
		7210.30.0030	7210.30.0060
		7210.30.0060	7212.20.0000
		7212.20.0000	7210.30.0030
3311115140, 50	Finished sheet and strip, electrical and other metallic coating, including long ternes.....		7210.70.6030
		7210.20.0000	7210.20.0000
		7210.50.0000	7210.61.0000
		7210.90.1000	7210.69.0000
		7210.90.5000	7210.70.6090
		7212.40.0000	7210.90.6000
		7212.50.0000	7210.90.9000
		7212.60.0000	7212.50.0000
		7210.61.0000	7212.60.0000
		7210.69.0000	7210.50.0000
3312211120	Finished strip, cold rolled.....	7210.70.0000	
		7211.90.0000	7211.23.1500
		7211.23.1500	7211.23.4500
		7211.23.3050	7211.23.6030
		7211.29.3050	7211.23.6060
			7211.23.6085
			7211.23.3000
			7211.29.2030
			7211.29.2090
			7211.29.4500
			7211.29.6030
			7211.29.6080
			7211.90.0000
			7211.23.2000
			7211.23.6075
33111151C0	Finished tin mill products: Blackplate.....		7212.40.1000
		7209.18.2500	7212.40.5000
			7209.18.2510
			7209.18.2520
			7209.18.2580

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
33111151D0	Electrolytic and hot-dipped tin plate.....	7210.11.0000 7210.12.0000 7212.10.0000	7210.11.0000 7210.12.0000 7212.10.0000
33111151E0, F0	Tin free steel and other tin mill products, including short ternes and foil.....	(NA)	(NA)
3311117130, 40	Finished structural shapes (heavy), both wide flange and standard heavy shapes.....	7216.31.0000 7216.32.0000 7216.33.0000 7216.40.0000 7216.50.0000 7216.99.0000 7301.20.1000 7216.61.0000 7216.69.0000	7216.31.0000 7216.32.0000 7216.33.0030 7216.33.0060 7216.33.0090 7216.40.0010 7216.40.0050 7216.50.0000 7216.61.0000 7216.69.0000 7301.20.1000 7216.91.0010 7216.91.0090 7216.99.0010 7216.99.0090
33111171E0	Finished sheet piling and bearing piles.....	7301.10.0000	7301.10.0000
3311117190, 3190	Hot-rolled bars (except reinforcing) and semifinished wire rods....	7213.20.0000 7214.10.0000 7214.30.0000 7213.91.3000 7213.91.4500 7213.91.6000 7214.99.0035 7213.99.0000 7214.99.0010 7214.99.0025 7214.91.0015 7214.91.0060 7214.91.0090	7213.99.0060 7213.99.0090 7214.10.0000 7214.91.0015 7214.99.0015 7214.99.0060 7214.91.0060 7214.99.0030 7214.99.0075 7214.91.0090 7214.99.0045 7214.99.0090 7215.90.1000 7213.20.0010 7213.20.0080 7213.91.4500 7213.91.6000 7214.30.0010 7214.30.0080 7213.91.4500 7213.91.6000 7213.91.3011 7213.91.3015 7213.91.3092 7213.99.0030
33111171A0	Finished bars: Light structurals, under 3 inches.....	7216.10.0000 7216.21.0000 7216.22.0000	7216.10.0010 7216.10.0050 7216.21.0000 7216.22.0000
33111171B0	Concrete reinforcing.....	7213.10.0000 7214.20.0000	7213.10.0000 7214.20.0000

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3312213110	Cold finished.....	7215.10.0000	7215.50.0015
		7215.90.0000	7215.50.0060
		7216.91.0000	7215.50.0090
		7215.50.0015	7215.90.3000
		7215.50.0060	7215.90.5000
		7215.50.0090	7215.10.0010
			7215.10.0080
331111L100	Finished rails, wheels, and track accessories.....	7302.10.1020	7302.10.1010
		7302.10.1030	7302.10.1035
		7302.10.1080	7302.10.1015
		7302.10.5000	7302.10.1025
		7302.40.0000	7302.10.1045
		7302.90.1000	7302.10.1055
			7302.10.1065
			7302.10.1075
			7302.40.0000
			7302.90.1000
3312100110, 20	Finished line pipe, all diameters.....	7304.10.1020	7304.10.1020
		7304.10.1050	7304.10.1030
		7304.10.1080	7304.10.1045
		7305.11.1000	7304.10.1060
		7305.12.1000	7304.10.1080
		7305.19.1000	7305.11.1030
		7306.10.1000	7305.11.1060
			7305.12.1030
			7305.12.1060
			7305.19.1030
			7305.19.1060
			7306.10.1010
			7306.10.1050
3312100130	Finished pipe and tubes, oil country goods.....	7304.21.3000	7304.29.1010
		7304.29.1055	7304.29.1020
		7304.29.5000	7304.29.1030
		7305.20.3000	7304.29.1040
		7306.20.1500	7304.29.1050
		7306.20.6000	7304.29.1060
			7304.29.1080
			7304.29.2010
			7304.29.2020
			7304.29.2030
			7304.29.2040
			7304.29.2050
			7304.29.2060
			7304.29.2080
			7304.29.5015
			7304.29.5030
			7304.29.5045
			7304.29.5060
			7304.29.5075
			7305.20.2000
			7305.20.4000
			7306.20.1030
			7306.20.1090
			7306.20.2000
			7306.20.6010
			7306.20.6050
			7306.10.1010
			7306.10.1050
			7304.21.3000

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
33121001F0	Finished pipe and tubes, structurals.....	7304.90.4000 7306.60.2500 7305.31.2000 7305.31.4000	7304.90.1000 7306.60.1000 7305.31.4000 7305.31.2000 7306.30.3000
3312100150, 60, 33121001A0, B0, G0	Finished pipe and tubes (except line pipe, oil country goods, and structurals).....	7304.31.0000 7304.39.0000 7305.39.1000 7306.30.1000 7306.30.1550 7306.30.2000 7306.30.4000 7306.30.6000 7305.90.1000 7306.90.1000	7304.31.6010 7304.31.6050 7304.39.0002 7304.39.0004 7304.39.0006 7304.39.0008 7304.39.0016 7304.39.0020 7304.39.0024 7304.39.0028 7304.39.0032 7304.39.0036 7304.39.0040 7304.39.0044 7304.39.0048 7304.39.0052 7304.39.0056 7304.39.0062 7304.39.0068 7304.39.0072 7304.39.0076 7304.39.0080 7305.31.4000 7305.39.1000 7306.30.1000 7306.30.5010 7306.30.5015 7306.30.5020 7306.30.5025 7306.30.5028 7306.30.5032 7306.30.5035 7306.30.5040 7306.30.5055 7306.30.5085 7306.30.5090 7304.31.3000 7304.90.5000 7305.90.1000 7306.60.5000 7306.90.1000 7306.50.5010
3312225110, 20, 30, 40, 50, 60	Finished plain wire.....	7217.10.1510 7217.10.2510 7217.10.7510	7217.10.1000 7217.10.2000 7217.10.3000 7217.10.7000 7217.10.4030 7217.10.8025 7217.10.8030 7217.10.8010 7217.10.5030 7217.10.8045 7217.10.8020 7217.10.8060 7217.10.8075 7217.10.4090 7217.10.5090 7217.10.6000 7217.10.9000 7217.10.8090

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3312225170, 80, 90	Finished wire, plated or coated with zinc.....	7217.20.1010	7217.20.4510
		7217.20.5010	7217.20.4540
		7217.20.9010	7217.20.4530
			7217.20.4560
			7217.20.4520
			7217.20.4550
			7217.20.3000
			7217.20.4580
			7217.20.4570
			7217.20.1500
			7217.20.6000
			7217.20.7500
33122251A0, B0, C0	Finished wire, plated or coated, other than with zinc.....	7217.30.1010	7217.30.1560
		7217.30.5010	7217.30.3000
		7217.30.9010	7217.30.6000
		7217.90.0000	7217.90.5030
			7217.30.4530
			7217.30.4560
			7217.30.1530
			7217.90.5090
			7217.30.4520
			7217.30.4550
			7217.30.4590
			7217.30.7500
			7217.90.5060
			7217.30.4504
			7217.30.4511
			7217.30.4541
3312223100	Nails, staples, tacks, spikes, and brads.....	7317.00.9000	7317.00.5520
		8305.20.0000	7317.00.5530
			7317.00.5540
			7317.00.5550
			7317.00.5560
			7317.00.5570
			7317.00.5580
			7317.00.5590
			7317.00.6530
			7317.00.6560
			7317.00.7500
			7317.00.3000
			8305.20.0000
			7317.00.2000
			7317.00.5519
			7317.00.5501
			7317.00.5502
			7317.00.5503
			7317.00.5505
			7317.00.5511
			7317.00.5518
331222B100	Other wire products.....	7313.00.0000	7313.00.0000
3312227100, 12, 3312229110, 12, 331222B100	Fencing and fence gates, woven wire products, and welded steel wire fabrics.....	7314.20.0000	7314.20.0000
		7314.41.0000	7314.41.0030
		7314.42.0000	7314.42.0030
		7314.49.0000	7314.42.0060
		7314.50.0000	7314.49.3000
3312221101	Finished wire rope and cable.....		7314.49.6000
			7314.41.0080
3312221101	Finished wire rope and cable.....	7312.10.8500	7312.10.7000
			7312.10.8000
			7312.10.9030
			7312.10.9060
			7312.10.9090

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3312221201	Finished wire strand.....	7312.10.3015	7312.10.3010 7312.10.3012
3311113120	Alloy steel (except stainless): Ingots.....	7224.10.0000	7224.10.0005 7224.10.0045 7224.10.0075
3311113160, 70	Semifinished blooms, billets, sheet bars, tube rounds, skelp, and slabs.....	7224.90.0000	7224.90.0005 7224.90.0015 7224.90.0025 7224.90.0035 7224.90.0045 7224.90.0055 7224.90.0065 7224.90.0075
33111151A0 70, 80, 90 3311117150, 60 3312211130, 40	Finished plate, sheet or strip, both hot and cold rolled or cold finished.....	7225.11.0000 7225.19.0000 7225.91.0000 7225.92.0000 7226.93.0000 7226.94.0000 7225.20.0000 7225.30.0000 7225.40.0000 7225.50.0000 7226.20.0000 7226.91.0000 7226.92.2000 7226.92.4000 7226.99.0000 7226.19.0000 7225.99.0000 7226.11.0000	7225.30.1000 7225.30.3005 7225.30.3050 7225.40.1015 7225.40.1090 7225.40.3005 7225.40.3050 7225.50.6000 7226.91.5000 7226.20.0000 7226.91.0500 7226.91.1530 7226.91.1560 7226.91.2530 7226.91.2560 7226.91.7000 7226.91.8000 7226.92.1030 7226.92.1060 7226.92.3030 7226.92.3060 7226.92.5000 7226.92.7005 7226.92.7050 7226.92.8005 7226.92.8050 7226.93.0000 7226.94.0000 7225.20.0000 7225.30.5030 7225.30.5060 7225.30.7000 7225.40.5030 7225.40.5060 7225.50.1030 7225.50.1060 7225.50.7000 7225.11.0000 7225.19.0000 7225.40.7000 7225.50.8010 7225.50.8015

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
33111151A0	Finished plate, sheet or strip, both hot and cold rolled or cold finished (continued).....		7225.50.8085
70, 80, 90			7225.91.0000
3311117150,			7225.92.0000
60			7225.99.0010
3312211130,			7225.99.0090
40			7226.11.1000
			7226.11.9030
			7226.11.9060
			7226.19.1000
			7226.19.9000
			7226.99.0000
33111131A0,	Semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished.....		
3311117170,			
C0,			
3312213120			
		7227.10.0000	7227.10.0000
		7227.20.0000	7227.90.1030
		7227.90.0000	7227.90.1060
		7228.20.0000	7227.90.2030
		7228.30.8000	7227.90.2060
		7228.40.0000	7227.90.6005
		7228.50.5000	7228.20.1000
		7228.60.5000	7228.20.5000
		7228.70.0000	7228.30.8005
		7228.80.0000	7228.30.8050
		7301.20.5000	7228.50.5005
			7228.50.5050
			7228.60.6000
			7228.60.8000
			7228.70.3020
			7228.70.3040
			7228.70.3060
			7228.70.3080
			7228.70.6000
			7228.80.0000
			7301.20.5000
			7228.40.0000
			7227.20.0000
			7227.90.6050
33111171F0	Finished tool steel, high speed.....	7228.10.0000	7228.10.0010
			7228.10.0030
			7228.10.0060
33111171G0	Finished tool steel (except high speed).....	7228.30.5000	7228.30.2000
		7228.50.1000	7228.30.4000
		7228.60.1000	7228.30.6000
			7228.50.1010
			7228.50.1020
			7228.50.1040
			7228.50.1060
			7228.50.1080
			7228.60.1030
			7228.60.1060
3312100140	Finished oil country goods and line pipe.....	7304.10.5020	7304.10.5020
		7304.10.5050	7304.10.5050
		7304.10.5080	7304.10.5080
		7304.21.6000	7304.29.3010
		7304.29.3055	7304.29.3020
		7304.29.6000	7304.29.3030
		7305.11.5000	7304.29.3040
		7305.12.5000	7304.29.3050

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3312100140	Finished oil country goods and line pipe (continued).....	7305.19.5000	7304.29.3060
		7305.20.7000	7304.29.3080
		7306.10.5000	7304.29.4010
		7306.20.2500	7304.29.4020
		7306.20.8000	7304.29.4030
			7304.29.4040
			7304.29.4050
			7304.29.4060
			7304.29.4080
			7304.29.6015
			7304.29.6030
			7304.29.6045
			7304.29.6060
			7304.29.6075
			7304.21.6030
			7304.21.6045
			7304.21.6060
			7305.11.5000
			7305.12.5000
			7305.19.5000
			7305.20.6000
			7305.20.8000
			7306.10.5010
			7306.10.5050
			7306.20.3000
			7306.20.4000
			7306.20.8010
			7306.20.8050
3312100170, C0, H0, D0, E0, J0, 80, 90	Alloy steel, including stainless, pipe and tubes, n.e.c.	7304.41.0000	7304.51.5015
		7304.49.0010	7304.51.5045
		7304.49.0040	7304.59.2030
		7304.51.0000	7304.59.2040
		7304.59.0000	7304.59.2045
		7304.90.6000	7304.59.2055
		7305.31.6000	7304.59.2060
		7305.39.5000	7304.59.2070
		7305.90.5000	7304.59.2080
		7306.40.1000	7304.51.5005
		7306.40.5000	7304.49.0060
		7306.50.1000	7304.51.1000
		7306.50.4500	7304.51.5060
		7306.60.6500	7304.59.1000
		7306.90.5000	7304.59.6000
			7304.59.8010
			7304.59.8015
			7304.59.8020
			7304.59.8025
			7304.59.8030
			7304.59.8035
			7304.59.8040
			7304.59.8045
			7304.59.8050
			7304.59.8055
			7304.59.8060
			7304.59.8065
			7304.59.8070
			7304.59.8080
			7304.90.3000
			7304.90.7000
			7305.31.6000
			7305.39.5000

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3312100170, C0, H0, D0, E0, J0, 80, 90	Alloy steel, including stainless, pipe and tubes, n.e.c. (continued).....		7305.90.5000 7306.40.1010 7306.40.1015 7306.40.1090 7306.40.5040 7306.40.5042 7306.40.5044 7306.40.5062 7306.40.5064 7306.40.5080 7306.40.5090 7306.50.1000 7306.50.3000 7306.50.5030 7306.50.5050 7306.50.5070 7306.60.3000 7306.40.5005 7306.60.7030 7306.60.7060 7306.90.5000 7306.40.5085 7304.49.0045 7304.41.3005 7304.41.3015 7304.41.3045 7304.41.6005 7304.41.6015 7304.41.6045 7304.49.0005 7304.49.0015 7306.40.5015
33122251D0	Alloy steel (except stainless) finished wire, plain or coated.....	7229.10.0000 7229.20.0000 7229.90.0000	7229.10.0000 7229.20.0000 7229.90.1000 7229.90.9000 7229.90.5006 7229.90.5008 7229.90.5031 7229.90.5051
3311113130	Stainless steel: Ingots.....	7218.10.0000	7218.10.0000
33111171B0	Semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	7218.91.0000 7218.99.0000	7218.99.0090 7218.91.0015 7218.99.0015 7218.91.0030 7218.99.0030 7218.91.0060 7218.99.0045 7218.99.0060
33111131B0, 71D0	Semifinished wire rods and finished bars, hot rolled.....	7221.00.0000 7222.11.0000 7222.19.0000	7221.00.0005 7221.00.0015 7221.00.0030 7221.00.0045 7221.00.0075 7222.11.0005 7222.19.0005 7222.11.0050 7222.19.0050

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3311113180	Finished plates and structurals.....	7219.11.0000	7219.11.0030
		7219.12.0000	7219.11.0060
		7219.21.0000	7219.21.0005
		7219.22.0000	7219.21.0020
		7219.31.0000	7219.21.0040
		7220.11.0000	7219.21.0060
		7222.40.0000	7219.22.0005
			7219.31.0010
			7219.31.0050
			7220.11.0000
			7222.40.6000
			7219.12.0002
			7219.12.0006
			7219.12.0021
			7219.12.0026
			7219.12.0051
			7219.12.0056
			7219.22.0015
			7219.22.0020
			7219.22.0025
			7219.22.0035
			7219.22.0040
			7219.22.0045
			7219.22.0070
			7219.22.0075
			7219.22.0080
33111151B0	Finished sheet and strip, hot rolled.....	7219.13.0000	7219.14.0030
		7219.14.0000	7219.23.0030
		7219.23.0000	7219.23.0060
		7219.24.0000	7219.24.0030
		7220.12.0000	7219.24.0060
			7220.12.1000
			7220.12.5000
			7219.13.0002
			7219.13.0031
			7219.14.0090
3312211150	Finished sheet and strip, cold rolled.....		7219.13.0051
			7219.13.0071
			7219.13.0081
			7219.14.0065
		7219.32.0000	7219.32.0045
		7219.33.0000	7219.32.0060
		7219.34.0000	7219.33.0045
		7219.35.0000	7219.33.0070
		7219.90.0000	7219.33.0080
		7220.20.0000	7219.34.0050
		7220.90.0000	7219.35.0015
			7219.35.0005
			7219.35.0030
			7219.35.0035
			7219.35.0050
			7220.20.1010
			7220.20.1015

Table 6. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with
with Schedule B Export Codes and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3312211150	Finished sheet and strip, cold rolled (continued).....		7220.20.1060 7220.20.1080 7220.20.6005 7220.20.6010 7220.20.6015 7220.20.6060 7220.20.6080 7220.20.7005 7220.20.7010 7220.20.7015 7220.20.7060 7220.20.7080 7220.20.8000 7220.20.9030 7220.20.9060 7219.32.0020 7219.32.0025 7219.32.0005 7219.32.0035 7219.32.0036 7219.32.0038 7219.32.0042 7219.32.0044 7219.33.0005 7219.33.0020 7219.33.0025 7219.33.0035 7219.33.0036 7219.33.0038 7219.33.0042 7219.33.0044 7219.34.0005 7219.34.0020 7219.34.0025 7219.34.0030 7219.34.0035 7219.90.0010 7219.90.0020 7219.90.0025 7219.90.0060 7219.90.0080 7220.90.0010 7220.90.0015 7220.90.0060 7220.90.0080
3312213130	Finished bars, cold finished.....	7222.20.0000 7222.30.0000	7222.20.0005 7222.20.0045 7222.20.0075 7222.30.0000
33122251E0, F0, G0, H0	Finished wire	7223.00.0000	7223.00.1015 7223.00.1030 7223.00.1045 7223.00.1060 7223.00.1075 7223.00.5000 7223.00.9000

NA Not available. n.e.c. Not elsewhere classified.

1/Source: 2005 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2005).

Appendix.

General CIR Survey Information, Explanation of General Terms and Historical Note

GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

EXPLANATION OF GENERAL TERMS

Capacity. The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

Consumption. Materials used in producing or processing a product or otherwise removing the product from the inventory.

Exports. Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

Gross shipments. The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

Interplant transfers. Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

Inventories. The quantity or value of finished goods, work in progress, and materials on hand.

Machinery in place. The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

Net receipts. Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

Production. The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

Quantities produced and consumed. Quantities of each type of product produced by a company for internal consumption within that same company.

Quantity and value of new orders. The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

Quantity and value of shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and

returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Stocks. Total quantity of ending finished inventory.

Unfilled orders (backlog). Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

HISTORICAL NOTE

Data on steel mill products have been collected by the Census Bureau since 1921. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library.